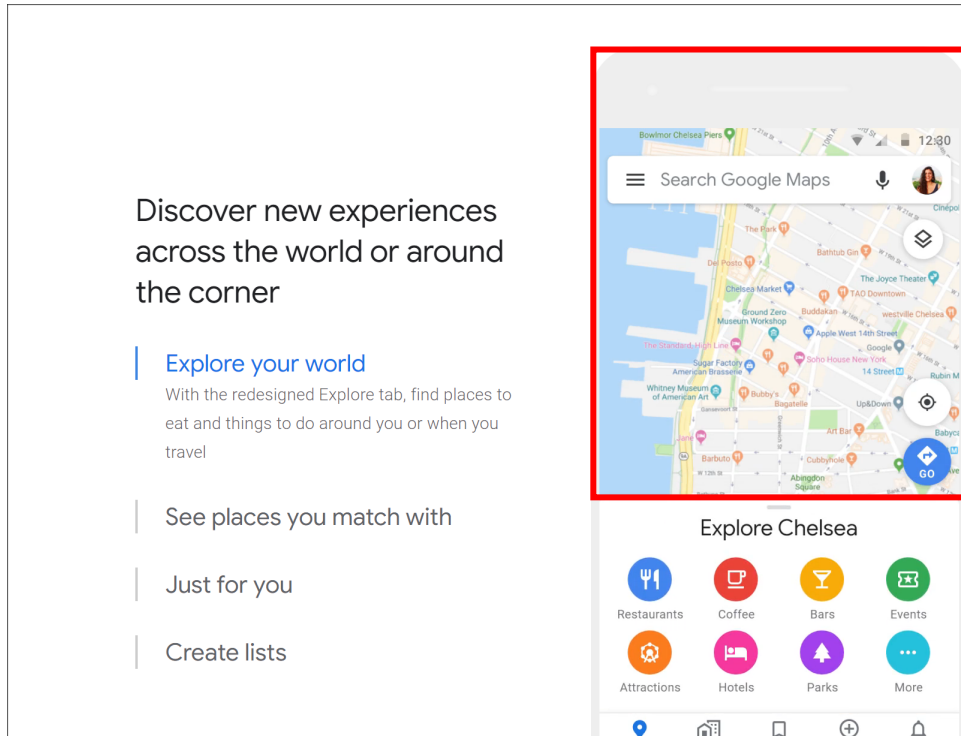


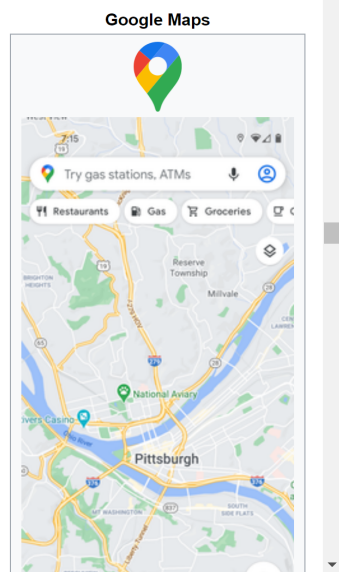
# Exhibit 8

**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

Claim Element	Infringing Instrumentality
<b>Claim 1</b>	
<p>1[pre]</p> <p>A mapping system for providing mapping information to a plurality of users with a plurality of computing devices over the Internet, comprising:</p>	<p>Google has committed acts of infringement under 35 U.S.C. § 271 with its Accused Products.</p> <p>Google's Accused Products include a mapping system for providing mapping information to a plurality of users with a plurality of computing devices over the Internet. <i>See, e.g.:</i></p> <p>Google's Accused Products include a mapping system for providing mapping information, as shown below exemplarily.</p> <div data-bbox="768 527 1722 1258">  </div> <p>Further, Google's Accused Products provide mapping information to a plurality of users with a plurality of computing devices over the internet, as shown below exemplarily.</p>

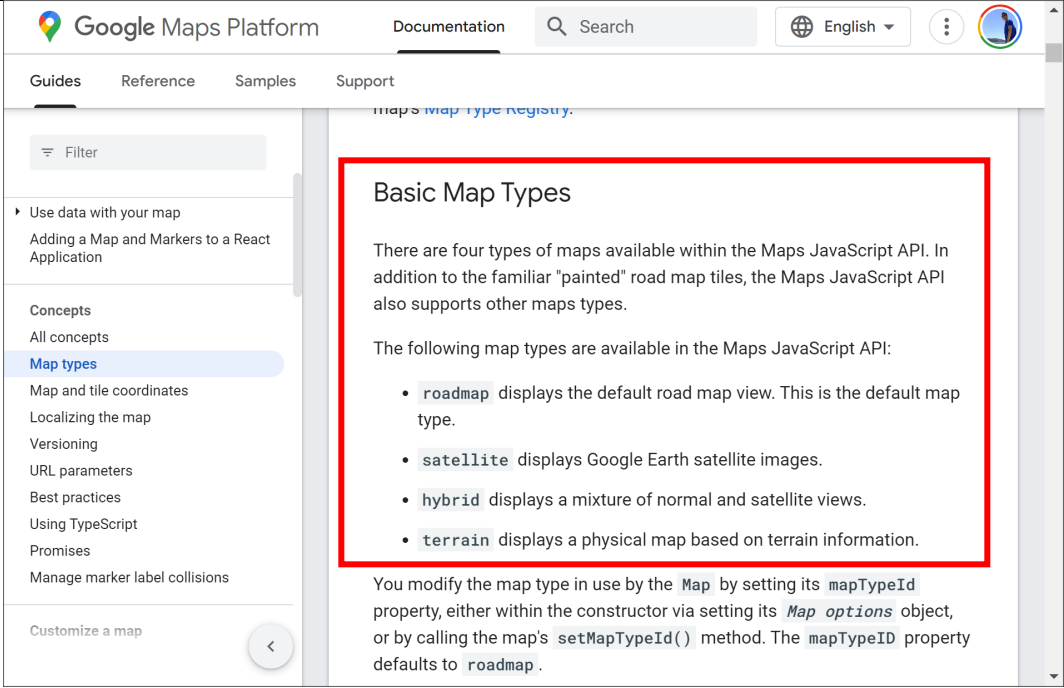


**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

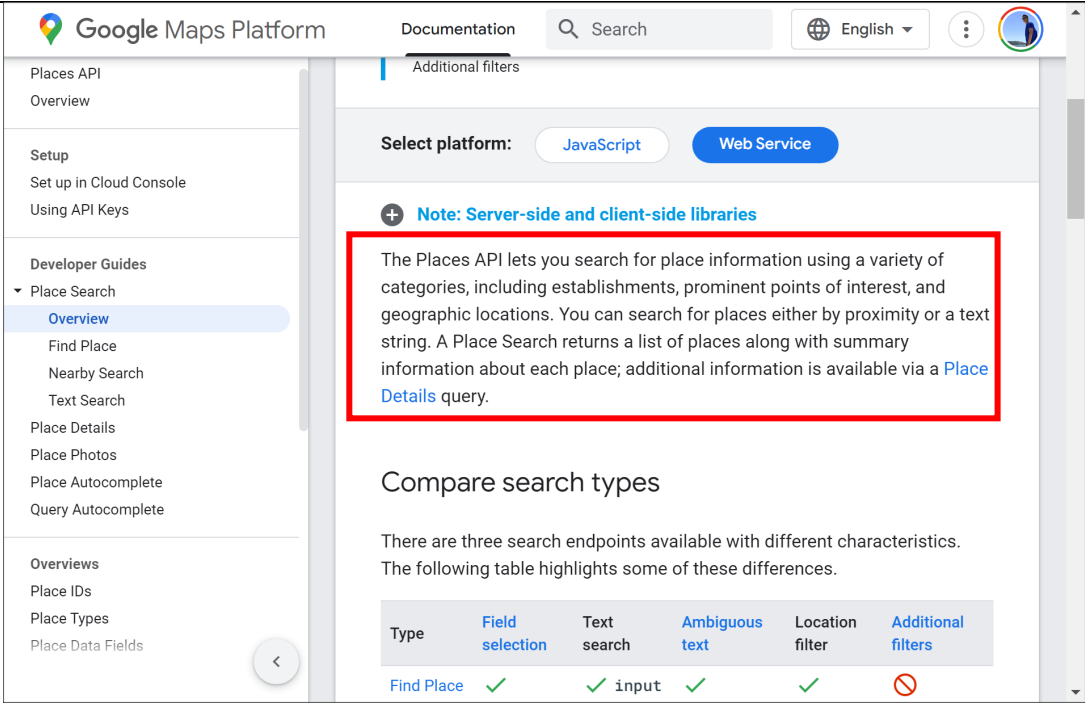
		<p>In November 2016, Google announced the discontinuation of Google Map Maker as of March 2017.<sup>[126]</sup></p> <p><b>Mobile app</b> <a href="#">[ edit ]</a></p> <p>Google Maps is available as a <b>mobile app</b> for the <b>Android</b> and <b>iOS</b> mobile operating systems. The Android app was first released in September 2008,<sup>[131][132]</sup> though the <b>GPS</b>-localization feature had been in testing on cellphones since 2007.<sup>[133][134][135]</sup> Up until <b>iOS 6</b>, the built-in maps application on the <b>iOS</b> operating system was powered by Google Maps.</p> <p>However, with the announcement of iOS 6 in June 2012, <b>Apple</b> announced that they had created their own <b>Apple Maps</b> mapping service,<sup>[136]</sup> which officially replaced Google Maps when iOS 6 was released on September 19, 2012.<sup>[137]</sup> However, at launch, Apple Maps received significant criticism from users due to inaccuracies, errors and bugs.<sup>[138][139]</sup> One day later, <i>The Guardian</i> reported that Google was preparing its own Google Maps app,<sup>[140]</sup> which was released on December 12, 2012.<sup>[141][142]</sup> Within only two days, the application had been downloaded over ten million times.<sup>[143]</sup></p> <p><b>Features</b> <a href="#">[ edit ]</a></p> <p>The Google Maps apps for iOS and Android have many of the same features, including <b>turn-by-turn navigation</b>, <b>street view</b>, and public transit information.<sup>[144][145]</sup> Turn-by-turn navigation was originally announced by Google as a separate beta testing app exclusive to Android 2.0 devices in October 2009.<sup>[146][147]</sup> The original standalone iOS version did not support the iPad,<sup>[145]</sup> but tablet support was added with version 2.0 in July 2013.<sup>[148]</sup> An update in June 2012 for Android devices added support for</p> 
1[A]	one or more databases storing said mapping information for displaying a map, said mapping information comprising: map layer information, points of interest information, and qualitative information related to said points of interest; and	<p>Google's Accused Products comprise one or more databases storing said mapping information for displaying a map, said mapping information comprising: map layer information, points of interest information, and qualitative information related to said points of interest. <i>See, e.g.:</i></p> <p>Google's Accused Products comprise one or more databases storing mapping information for displaying a map comprising map layer information, as shown below exemplarily.</p>



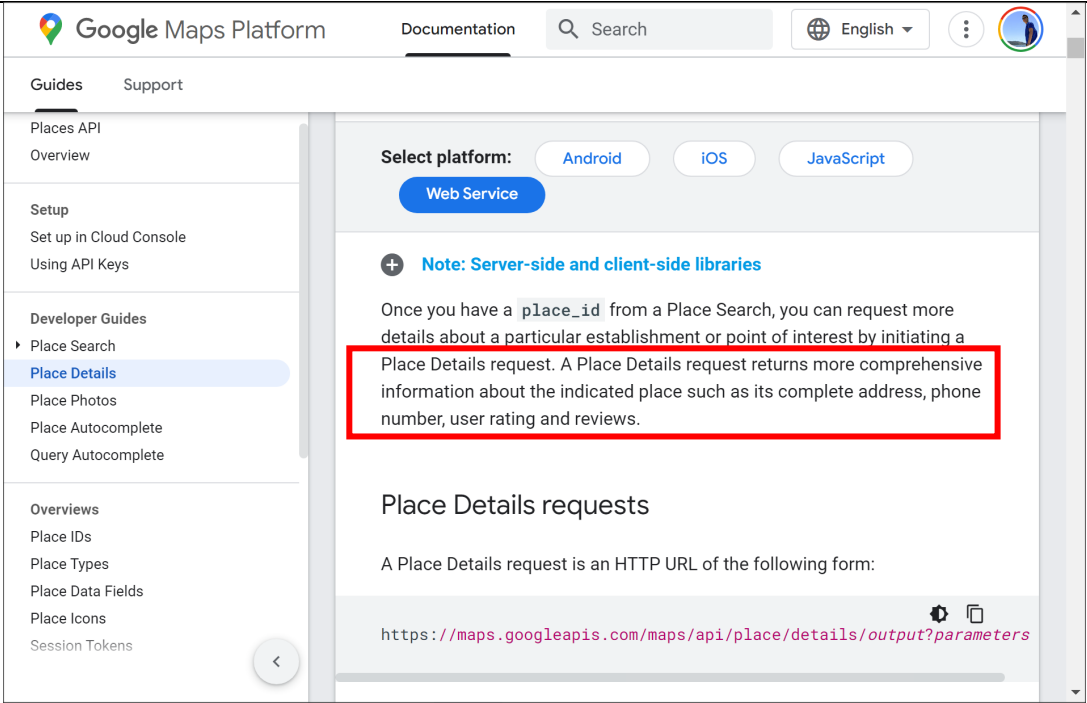
**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		 <p>Further, the mapping information also comprise points of interest information, as shown below exemplarily.</p>
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**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		 <p>In addition, the mapping information comprise qualitative information related to the points of interest, as shown below exemplarily.</p>
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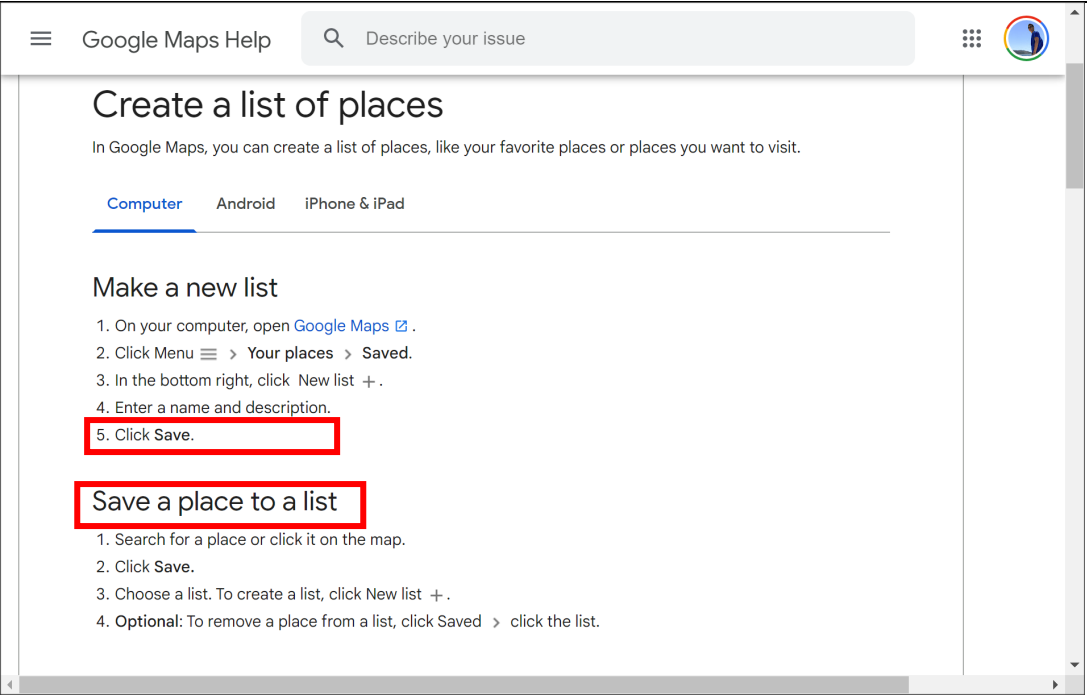
**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		
1[C]	<p>at least one server storing computer instructions configured to:</p> <p>create an account on said mapping system for at least one of said plurality of users having at least one of said plurality of computing devices;</p> <p>store personalized points of interest selected by said at least one of said plurality of users;</p>	<p>Google's Accused Products comprise at least one server storing computer instructions configured to create an account on said mapping system for at least one of said plurality of users having at least one of said plurality of computing devices, store personalized points of interest selected by said at least one of said plurality of users, display said personalized points of interest within said map, import an imported address from at least one of: a customer relationship management (CRM) application; and a contact application, display said imported address on said map, store said imported address as a personalized point of interest by said at least one of said plurality of users, and allow said at least one of said plurality of users to select one of a plurality of levels of details for displaying qualitative information related to the points of interest. <i>See e.g.:</i></p> <p>Google's Accused Products comprise at least one server storing computer instructions configured to create an account on the mapping system for at least one of plurality of users having at least one of plurality of computing devices, as shown below exemplarily.</p>

**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

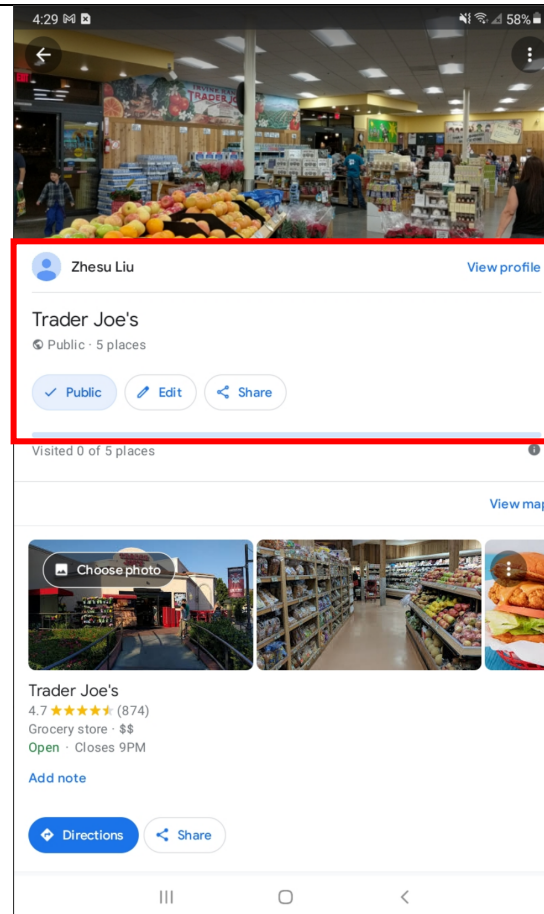
<p>display said personalized points of interest within said map;</p> <p>import an imported address from at least one of: a customer relationship management (CRM) application; and a contact application;</p> <p>display said imported address on said map;</p> <p>store said imported address as a personalized point of interest by said at least one of said plurality of users; and</p> <p>allow said at least one of said plurality of users to select one of a plurality of levels of details for displaying qualitative information related to the points of interest;</p>	<div data-bbox="709 246 1730 646"> <h3>My profile</h3> <p>Your Maps public profile lets you showcase your photos, reviews, lists, and other Maps content. On your Maps profile, you can:</p> <ul style="list-style-type: none"> <li>• Change your Google name and profile photo.</li> <li>• Add a short bio to your profile.</li> <li>• <a href="#">Manage your account settings and privacy controls.</a></li> <li>• Find your past contributions and posts.</li> <li>• Find the views and likes on your contributions.</li> <li>• Review your topic stats.</li> </ul> <p>Tip: Your name, photo, and bio will always be found on your profile.</p> </div> <p>In addition, Google's Accused Products store personalized points of interest selected by at least one of plurality of users, as shown below exemplarily.</p>	
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**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		<div data-bbox="680 191 1759 883"><p>Google Maps Help</p><p>Describe your issue</p><h2>Create a list of places</h2><p>In Google Maps, you can create a list of places, like your favorite places or places you want to visit.</p><p>Computer   Android   iPhone &amp; iPad</p><h3>Make a new list</h3><ol style="list-style-type: none"><li>1. On your computer, open <a href="#">Google Maps</a>.</li><li>2. Click Menu ≡ &gt; <b>Your places</b> &gt; <b>Saved</b>.</li><li>3. In the bottom right, click <b>New list</b> +.</li><li>4. Enter a name and description.</li><li>5. Click <b>Save</b>.</li></ol><h3>Save a place to a list</h3><ol style="list-style-type: none"><li>1. Search for a place or click it on the map.</li><li>2. Click <b>Save</b>.</li><li>3. Choose a list. To create a list, click <b>New list</b> +.</li><li>4. <b>Optional:</b> To remove a place from a list, click <b>Saved</b> &gt; click the list.</li></ol></div>	
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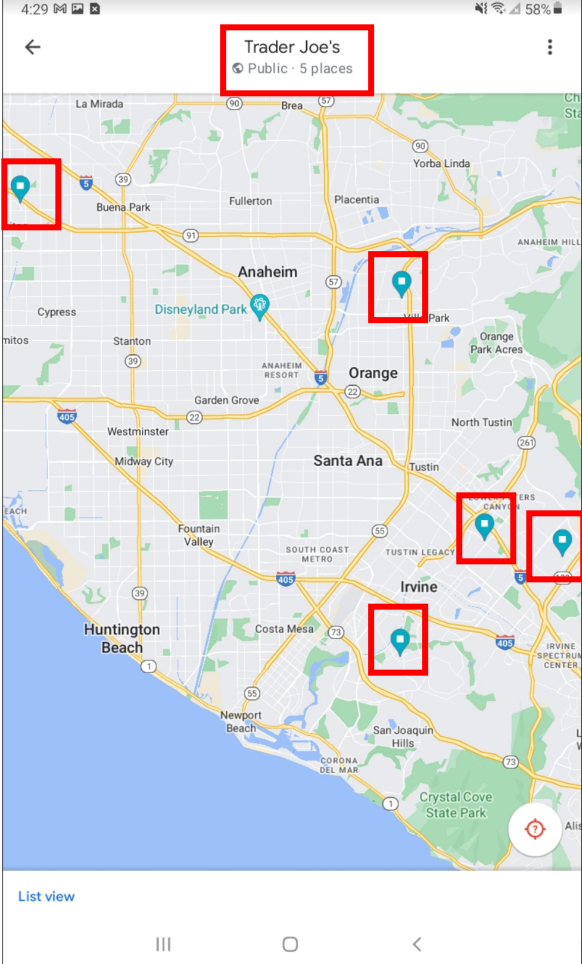
These stored exemplary personalized points of interest are further shown below.

**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

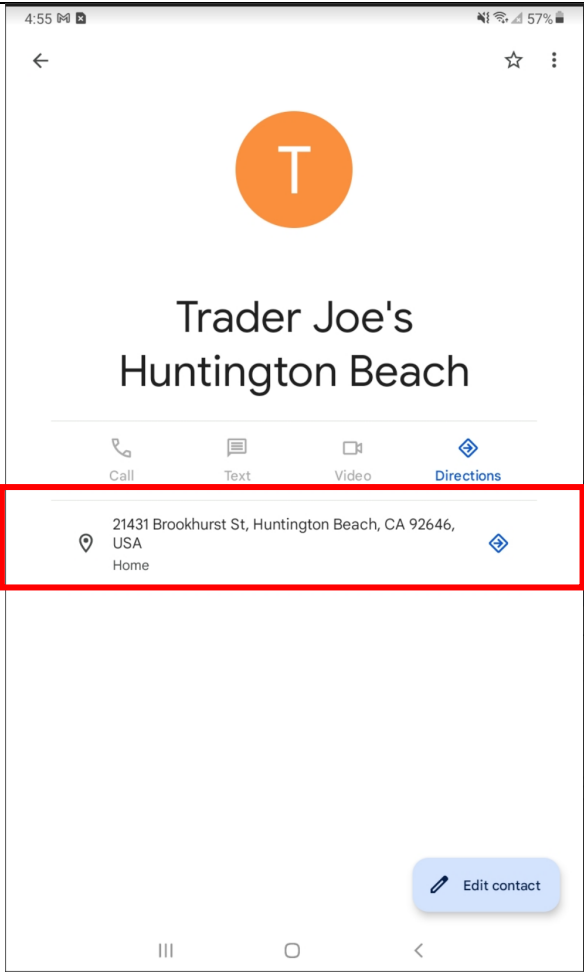


Google's Accused Products display these personalized points of interest within the map, as shown below exemplarily.

**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

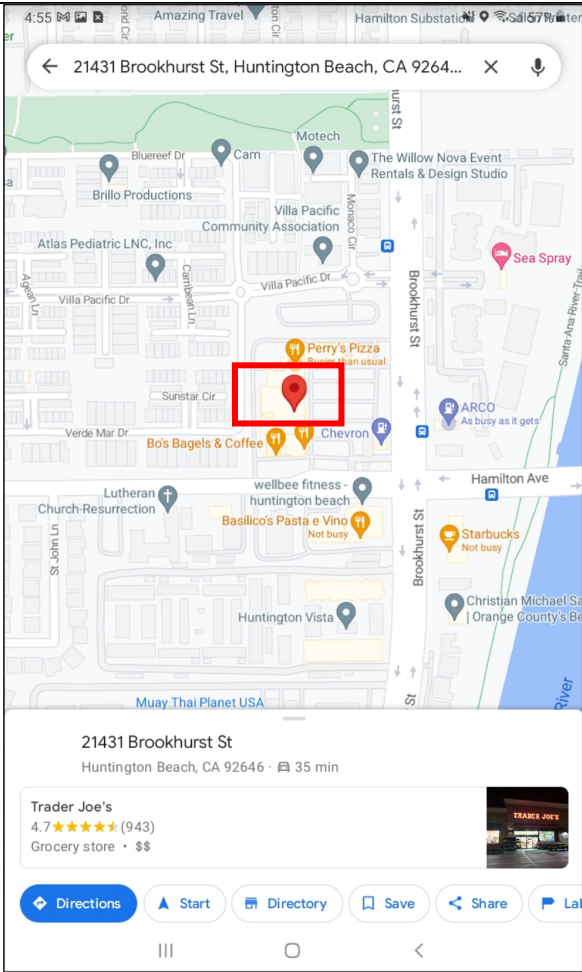
		 <p>Furthermore, Google's Accused Products import an imported address from at least one of a customer relationship management application and a contacts application, as shown below exemplarily.</p>	
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**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		<div data-bbox="676 190 1255 1156">A screenshot of a mobile contact application. At the top, there is a status bar showing the time 4:55, signal strength, and battery level at 57%. Below the status bar is a navigation bar with a back arrow on the left, a star icon, and a three-dot menu icon on the right. The main content area features an orange circular profile picture with a white letter 'T'. Below the profile picture, the name 'Trader Joe's Huntington Beach' is displayed in a large, bold, black font. Underneath the name is a horizontal line, followed by four icons: a telephone handset, a speech bubble, a video camera, and a blue diamond with a white 'D'. Below these icons, the address '21431 Brookhurst St, Huntington Beach, CA 92646, USA' is displayed in a smaller black font. Below the address, the word 'Home' is displayed in a smaller, lighter blue font. To the right of the address is a blue diamond icon with a white 'D'. At the bottom of the contact card is a light blue button with a pencil icon and the text 'Edit contact'. The entire contact card is enclosed in a thin black border. A red rectangular box highlights the address and the 'Home' label.</div>
		<p>Google’s Accused Products import address from the above exemplary contacts application and displays it on the map, as shown below exemplarily.</p>

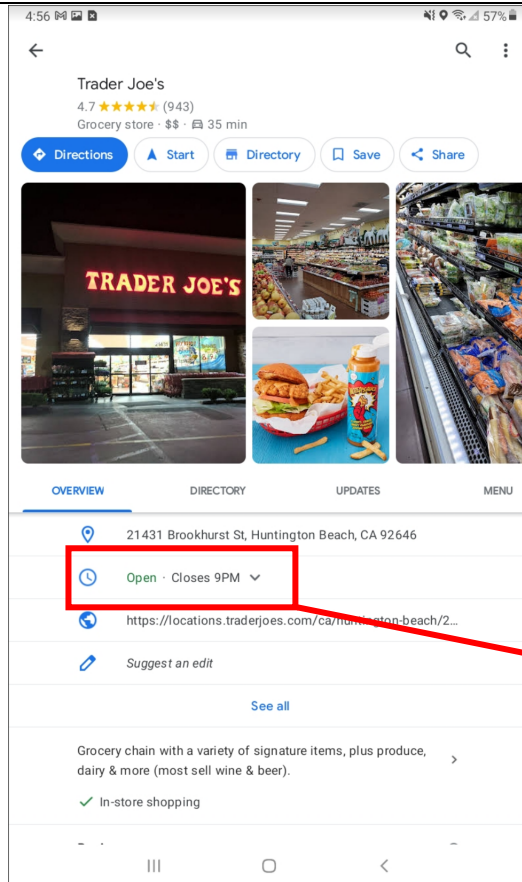
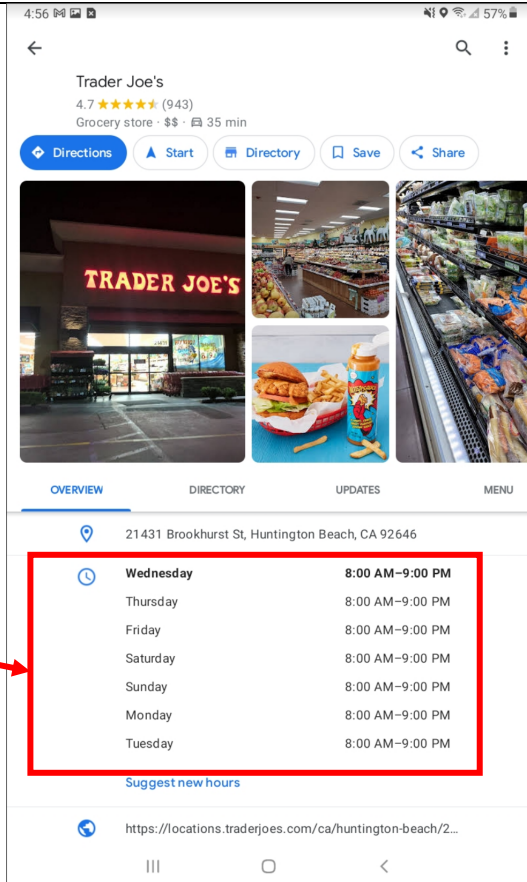


**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

		 <p>Further, Google’s Accused Products store imported address as a personalized point of interest by at least one of the plurality of users, as shown below exemplarily.</p>
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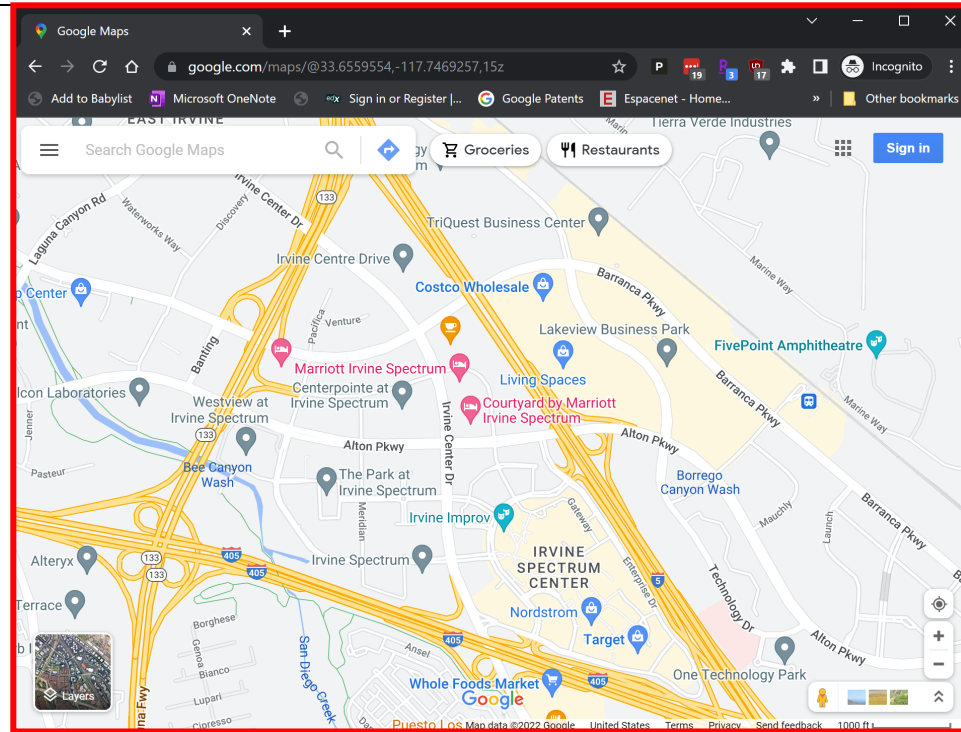


**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

			
1[D]	wherein said mapping information is configured to be accessible by said plurality of users with said plurality of computing devices, each of said plurality of computing devices comprising a graphical	Google's Accused Products comprise mapping information that is configured to be accessible by said plurality of users with said plurality of computing devices, each of said plurality of computing devices comprising a graphical user interface (GUI) provided by an internet browser or a mapping application. <i>See e.g.:</i>	
		The mapping information is configured to be accessible by the plurality of users with the plurality of computing devices, each of the plurality of computing devices comprising a graphical user interface provided by an internet browser as shown below exemplarily.	

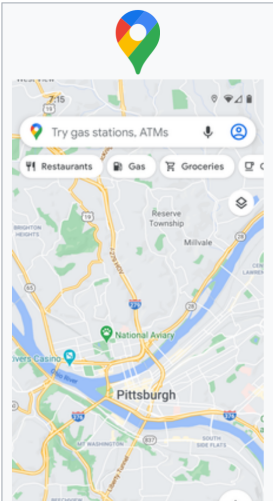
**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

user interface (GUI) provided by an internet browser or a mapping application.



Further, the mapping information is configured to be accessible by the plurality of users with the plurality of computing devices, each of the plurality of computing devices comprising a graphical user interface provided by a mapping application as shown below exemplarily.

**Ex. 8 - Infringement Chart for U.S. Patent No. 11,372,903 (Claim 1)**

			<div><p>In November 2016, Google announced the discontinuation of Google Map Maker as of March 2017.<sup>[126]</sup></p><div><div>Mobile app [ edit ]</div><p>Google Maps is available as a <b>mobile app</b> for the <b>Android</b> and <b>iOS</b> mobile operating systems. The Android app was first released in September 2008,<sup>[131][132]</sup> though the <b>GPS</b>-localization feature had been in testing on cellphones since 2007.<sup>[133][134][135]</sup> Up until <b>iOS 6</b>, the built-in maps application on the <b>iOS</b> operating system was powered by Google Maps.</p><p>However, with the announcement of iOS 6 in June 2012, Apple announced that they had created their own <b>Apple Maps</b> mapping service,<sup>[136]</sup> which officially replaced Google Maps when iOS 6 was released on September 19, 2012.<sup>[137]</sup> However, at launch, Apple Maps received significant criticism from users due to inaccuracies, errors and bugs.<sup>[138][139]</sup> One day later, <i>The Guardian</i> reported that Google was preparing its own Google Maps app,<sup>[140]</sup> which was released on December 12, 2012.<sup>[141][142]</sup> Within only two days, the application had been downloaded over ten million times.<sup>[143]</sup></p><div><div>Features [ edit ]</div><p>The Google Maps apps for iOS and Android have many of the same features, including <b>turn-by-turn navigation</b>, <b>street view</b>, and public transit information.<sup>[144][145]</sup> Turn-by-turn navigation was originally announced by Google as a separate beta testing app exclusive to Android 2.0 devices in October 2009.<sup>[146][147]</sup> The original standalone iOS version did not support the <b>iPad</b>,<sup>[145]</sup> but tablet support was added with version 2.0 in July 2013.<sup>[148]</sup> An update in June 2012 for Android devices added support for</p></div></div><div><div>Google Maps</div></div></div>
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